

| 2021 CASAC Lead Review Panel | | | | | | | | | |
|------------------------------|----------------|-----------------------|---|----------------------|-------|--|---|------------|--|
| Title | Last Name | First Name | Organization | City | State | Special Expertises Required | Who Referred | Interested | |
| Dr. | Ackerman | Josh | USGS | | | Ecology | Dr. Emmi Felker-Quinn - National Park Service | No | |
| Mr. | Allen | George A. | Northeast States for Coordinated Air Use Management (NESCAUM) | Boston | MA | Air quality | Self | Yes | |
| Dr. | Beamer | Paloma | The University of Arizona | Tucson | AZ | Environmental fate and transport; Exposure and biomarker assessment | SABSO | No | |
| Dr. | Boylan | James | Georgia Department of Natural Resources | Atlanta | GA | Air quality | Chartered CASAC Member | Yes | |
| Dr. | Chow | Judith C. | Desert Research Institute | Reno | NV | Air quality | Chartered CASAC Member | Yes | |
| Dr. | Clements | William | Colorado State University | Fort Collins | CO | Ecology | SABSO | Yes | |
| Dr. | Cory-Slechta | Deborah | University of Rochester | Rochester | NY | Toxicology | SABSO | Yes | |
| Dr. | Fuller | Christina H. | Georgia State University School of Public Health | Atlanta | GA | Epidemiology | SABSO | Yes | |
| Dr. | Goodrum | Philip | GSI Environmental Inc. | Fayetteville | NY | Exposure and biomarker assessment; Biokinetic modeling; Toxicology; Risk assessment; Biostatistics; Ecology | Self | Yes | |
| Mr. | Gottesfeld | Perry | Occupational Knowledge International | San Francisco | CA | Air quality; Environmental fate and transport; Exposure and biomarker assessment; Risk assessment | Dr. Michael Kosnett - Colorado School of Public Health, Department of Environmental and Occupational Health | Yes | |
| Dr. | Hays | Sean | Summit Toxicology | Bozeman | MT | Biokinetic modeling | SABSO | No | |
| Dr. | Henze | Daven | University of Colorado Boulder | Boulder | CO | Air quality; Environmental fate and transport | Self | Yes | |
| Dr. | Hopke | Philip | Clarkson University | Potsdam | NY | Air quality; Environmental fate and transport; Exposure and biomarker assessment | Self | Yes | |
| Dr. | Hu | Howard | University of Southern California | Los Angeles | CA | Epidemiology | SABSO | Yes | |
| Dr. | Ibrahim | Muhammad | Government College University Faisalabad, Pakistan | Faisalabad, Pakistan | | Air quality; Environmental fate and transport; Risk assessment | Prof. Emeritus Muhammad Chaudhry - Lahore School of Economics (LSE), Lahore, Pakistan | Yes | |
| Dr. | Johnson | Chris | Syracuse University | Syracuse | NY | Ecology | SABSO | Yes | |
| Dr. | Kanarek | Marty | University of Wisconsin-Madison | Madison | WI | Epidemiology | Self | Yes | |
| Dr. | Khubchandani | Jagdish | New Mexico State University | Las Cruces | NM | Air quality; Exposure and biomarker assessment; Epidemiology; Risk assessment | Self | Yes | |
| Dr. | Korrick | Susan | Harvard Medical School | Boston | MA | Epidemiology | SABSO | Yes | |
| Dr. | Lanphear | Bruce | Simon Fraser University | Vancouver, BC | | Epidemiology | Self | Yes | |
| Dr. | Lovinsky-Desir | Stephanie | Columbia University | New York | NY | Epidemiology | SABSO | No | |
| Dr. | Miranda | Marie Lynn | University of Notre Dame | Notre Dame | IN | Biostatistics | SABSO | No | |
| Mr. | Morgan | Willie | Southeast Rural Community Assistance Project, Inc. | Columbia | SC | Air quality | Self | Yes | |
| Dr. | Peltier | Richard | University of Massachusetts | Amherst | MA | Air quality; Exposure and biomarker assessment | Self | Yes | |
| Dr. | Phalen | Robert | University of California at Irvine | Irvine | CA | Air quality; Environmental fate and transport; Exposure and biomarker assessment; Biokinetic modeling; Toxicology; Risk assessment | Self | Yes | |
| Dr. | Pounds | Joel G. | Retired | Linden | MI | Biokinetic modeling | SABSO | Yes | |
| Mr. | Randolph | Dennis | City of Kalamazoo | Kalamazoo | MI | Air quality; Risk assessment; Ecology | Self | Yes | |
| Dr. | Rattner | Barnett | USGS | Beltsville | MD | Risk assessment; Ecology | Dr. Emmi Felker-Quinn - National Park Service | Yes | |
| Dr. | Robinson | Allen | Carnegie Mellon University | Pittsburgh | PA | Air quality; Environmental fate and transport | Dr. David Dzombak - Carnegie Mellon University | Yes | |
| Dr. | Sánchez | Brisa | Drexel University | Philadelphia | PA | Epidemiology; Biostatistics | SABSO | Yes | |
| Dr. | Schwartz | Brian | Johns Hopkins University | Baltimore | MD | Exposure and biomarker assessment; Epidemiology | SABSO | Yes | |
| Dr. | Sheppard | Elizabeth A. (Lianne) | University of Washington | Seattle | WA | Biostatistics | Chartered CASAC Member | Yes | |
| Dr. | Stubblefield | William | Oregon State University | Corvallis | OR | Ecology | SABSO | Yes | |
| Dr. | Vork | Kathleen | California Environmental Protection Agency | Oakland | CA | Exposure and biomarker assessment; Biokinetic modeling; Toxicology; Risk assessment | SABSO | Yes | |
| Dr. | Vyas | Nimish | USGS | | | Ecology | Dr. Emmi Felker-Quinn - National Park Service | No | |
| Dr. | Warheit | David | Warheit Scientific LLC | Wilmington | DE | Toxicology | Self | Yes | |
| Dr. | Weisskopf | Marc | Harvard T.H. Chan School of Public Health | Boston | MA | Epidemiology | SABSO | Yes | |
| Dr. | Weitzman | Michael | New York University School of Medicine | | | Epidemiology | Self | No | |

Attachment 1 - Widecast List of Nominees for the CASAC NOx/SOx/PM Secondary NAAQS Panel

| 2021 CASAC NOx/SOx/PM Secondary NAAQS Panel | | | | | | | | |
|---|--------------|-------------|---|--------------|-------|---|--|------------|
| Title | Last Name | First Name | Organization | City | State | Special Expertises Required | Who Referred | Interested |
| Dr. | Aherne | Julian | Trent University | | | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Atmospheric sciences | Self | No |
| Dr. | Amar | Praveen | Independent Consultant | Lexington | MA | Ecological effects to terrestrial and aquatic ecosystems; Atmospheric sciences | Mr. Richard Poirot - Independent Consultant | Yes |
| Dr. | Bell | Michael | National Park Service (NPS) | Lakewood | CO | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Ecosystem service and resource valuation; Atmospheric sciences | Dr. Daniel Orozco - National Parks Conservation Association (NPCA); Georgia Murray - Appalachian Mountain Club | Yes |
| Dr. | Boylan | James | Georgia Department of Natural Resources | Atlanta | GA | Atmospheric sciences | Chartered CASAC Member | Yes |
| Dr. | Burns | Douglas | U.S. Geological Survey | Troy | NY | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Ecosystem service and resource valuation; Atmospheric sciences | Dr. Daniel Orozco, National Parks Conservation Association (NPCA) | Yes |
| Ms. | Chestnut | Lauraine | Independent Consultant | Denver | CO | Ecosystem service and resource valuation | SABSO | Yes |
| Dr. | Chow | Judith C. | Desert Research Institute | Reno | NV | Atmospheric sciences | Chartered CASAC Member | Yes |
| Dr. | Cocker III | David R. | University of California Riverside | Riverside | CA | Atmospheric sciences | Kelley Barsanti - University of California Riverside | Yes |
| Dr. | Collett, Jr. | Jeffrey L. | Colorado State University | Fort Collins | CO | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Ecosystem service and resource valuation; Atmospheric sciences | Daniel Orozco - National Parks Conservation Association; Georgia Murray - Appalachian Mountain Club | Yes |
| Dr. | Driscoll | Charles | Syracuse University | Syracuse | NY | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Ecosystem service and resource valuation | John Sheehan - Adirondack Council | Yes |
| Dr. | Eatough | Delbert | Brigham Young University | Provo | UT | Atmospheric sciences | Self | Yes |
| Dr. | Felker-Quinn | Emmi | National Park Service | Lakewood | CO | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling | Self | Yes |
| Dr. | Fenn | Mark E. | USDA Forest Service | | | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Ecosystem service and resource valuation; Atmospheric sciences | Dr. Daniel Orozco - National Parks Conservation Association (NPCA) | No |
| Dr. | Fernandez | Ivan J. | University of Maine | Orono | ME | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem exposure and risk assessment/modeling; Ecosystem service and resource valuation; Atmospheric sciences | Daniel Orozco - National Parks Conservation Association (NPCA) | Yes |
| Dr. | Gilliam | Frank | University of West Florida | Pensacola | FL | Ecological effects to terrestrial and aquatic ecosystems | SABSO | Yes |
| Dr. | Hand | Jenny | Colorado State University | Fort Collins | CO | Ecosystem service and resource valuation; Atmospheric sciences | Georgia Murray - Appalachian Mountain Club | Yes |
| Dr. | Hennigan | Christopher | University of Maryland, Baltimore County | | | Atmospheric sciences | Self | No |
| Dr. | Henze | Daven | University of Colorado Boulder | Boulder | CO | Atmospheric sciences | Self | Yes |
| Dr. | Howarth | Robert W. | Cornell University | Ithaca | NY | Ecological effects to terrestrial and aquatic ecosystems | SABSO | Yes |
| Dr. | Jackson | Andrew | Texas Tech University | Lubbock | TX | Ecological effects to terrestrial and aquatic ecosystems; Ecosystem service and resource valuation; Atmospheric sciences | Dr. Ritesh Sevanthi Dilipan - Texas Tech University | Yes |
| Dr. | Kenski | Donna | Independent Consultant | Libertyville | IL | Atmospheric sciences | SABSO | Yes |
| Dr. | Khubchandani | Jagdish | New Mexico State University | Las Cruces | NM | Ecosystem exposure and risk assessment/modeling | Self | Yes |
| Dr. | Koutrakis | Petros | Harvard T.H. Chan School of Public Health | Boston | MA | Atmospheric sciences | Research Scientist Jack Wolfson - Harvard T.H. Chan School of Public Health | Yes |
| Dr. | Li | Lingjuan | North Carolina State University | Raleigh | NC | Atmospheric sciences | Self | Yes |

Attachment 1 - Widecast List of Nominees for the CASAC NOx/SOx/PM Secondary NAAQS Panel

| Title | Last Name | First Name | Organization | City | State | Special Expertises Required | Who Referred | Interested |
|-------|------------------|-----------------------|---|---------------|-------|--|---|------------|
| Dr. | McDowell | William | University of New Hampshire | Durham | NH | Ecological effects to terrestrial and aquatic ecosystems | Self; Dr. Daniel Orozco, National Parks Conservation Association (NPCA) | Yes |
| Mr. | Moore | Charles (Tom) | Western States Air Resources (WESTAR) Council - Western Regional Air Partnership (WRAP) | Fort Collins | CO | Atmospheric sciences | Self | Yes |
| Dr. | Paerl | Hans | University of North Carolina-Chapel Hill, Institute of Marine Sciences | Morehead City | NC | Ecological effects to terrestrial and aquatic ecosystems | Self | Yes |
| Mr. | Poirot | Richard L. | Independent Consultant | Burlington | VT | Atmospheric sciences | SABSO | Yes |
| Dr. | Ponette-González | Alexandra | University of North Texas | Denton | TX | Ecological effects to terrestrial and aquatic ecosystems | SABSO | Yes |
| Mr. | Randolph | Dennis | City of Kalamazoo | Kalazmazoo | MI | Ecosystem service and resource valuation | Self | Yes |
| Dr. | Schwartz | Stephen E. | Brookhaven National Laboratory | Upton | NY | Atmospheric sciences | SABSO | Yes |
| Dr. | Sheppard | Elizabeth A. (Lianne) | University of Washington | Seattle | WA | Atmospheric sciences | Chartered CASAC Member | Yes |
| Dr. | Smith | Richard | University of North Carolina, Chapel Hill | Chapel Hill | NC | Ecosystem exposure and risk assessment/modeling | Self | Yes |
| Dr. | Weathers | Kathleen | Cary Institute of Ecosystem Studies | Millbrook | NY | Ecological effects to terrestrial and aquatic ecosystems | SABSO | Yes |
| Dr. | West | James Jason | The University of North Carolina at Chapel Hill | Chapel Hill | NC | Atmospheric sciences | Dr. Yuqiang Zhang - UNC-CH | Yes |
| Mr. | West | Jeffrey | North American Research Strategy for Tropospheric Ozone (NARSTO) | Venice | FL | Atmospheric sciences | Self | Yes |
| Ms. | Wierman | Susan | Johns Hopkins University Engineering for Professionals Program | Towson | MD | Ecological effects to terrestrial and aquatic ecosystems | Self | Yes |
| Dr. | Young | S. Stanley | CGStat | Raleigh | NC | Ecosystem exposure and risk assessment/modeling | Self | Yes |
| Dr. | Zhang | Yuqiang | UNC-CH | Chapel Hill | NC | Atmospheric sciences | Dr. James West - UNC-CH | No |